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## PATENT ABSTRACTS OF JAPAN

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OCHIAI HIROSHI**(54) **DYNAMIC ALLOCATION MANAGEMENT SYSTEM  
FOR MEMORY AREA**

the case of actually performing the allocation processing.

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(57) Abstract:

PURPOSE: To stably execute the optimum allocation processing of a memory area corresponding to the state of the memory area by setting a free area management list chain beforehand and turning the retrieval order of plural free area management lists to the ascending order of the value of a free area size included in management information in the respective free area management lists.

CONSTITUTION: Free area management lists 4 and a free area management list chain 11 are provided. Then, the free area management list chain 11 is set beforehand and the retrieval order of the plural free area management lists 4 is turned to the ascending order of the value of the free area size included in the management information in the respective free area management lists 4. When the allocation request of the memory area is present, a specified free area suitable to the allocation request found first by successively retrieving the plural free area management lists 4 corresponding to the free area management list chain 11 becomes the most efficient area in all the free areas in

